

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	128	(area adj code) with longitude	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 10:31
L2	27	((area adj code) with longitude) and (sun or sunrise or sunset)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 10:31
L3	42	368/15.ccls.	EPO; JPO; DERWENT	OR	ON	2006/06/13 15:50
L4	2	368/17.ccls.	EPO; JPO; DERWENT	OR	ON	2006/06/13 15:50
L5	126	368/228.ccls.	EPO; JPO; DERWENT	OR	ON	2006/06/13 15:50
L6	140	368/239.ccls.	EPO; JPO; DERWENT	OR	ON	2006/06/13 15:50
L7	183	368/242.ccls.	EPO; JPO; DERWENT	OR	ON	2006/06/13 15:50
L8	139	368/82.ccls.	EPO; JPO; DERWENT	OR	ON	2006/06/13 15:50
L9	112	368/84.ccls.	EPO; JPO; DERWENT	OR	ON	2006/06/13 15:50
L10	194	368/223.ccls.	EPO; JPO; DERWENT	OR	ON	2006/06/13 15:50
L12	0	(L3 and L4 and L5 and L6 and L7 and L8 and L9 and L10) and @pd>="20051208"	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 15:51
L13	21	"368"/\$.ccls. and twilight	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 15:53
L14	11	("4669891").URPN.	USPAT	OR	ON	2006/06/13 15:52
L15	148	"368"/\$.ccls. and pie	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/13 15:53
S1	1	US-20050094492-A1.did.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 10:31

## EAST Search History

S2	34	("1832342" "2227995" "2299913" "3012716" "4274151" "4464058" "4669891" "4759002" "4893291" "5044961" "5146436" "5490122" "5572489" "5694376" "5845257" "5898645" "5907523" "5917778" "5982710" "0536504" "0557173" "6144619" "6198698" "6219307" "6233204" "6249486" "6275447" "6449219" "s351355" "s357871" "s362644" "s392578" "s392580").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 12:00
S3	28	368/17.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:38
S4	75	368/15.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:37
S5	265	368/228.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 12:06
S6	206	368/239.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 14:01
S8	326	368/82.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:38
S9	150	368/84.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:38
S10	452	368/223.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 12:06
S11	30091	"368"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 14:52
S12	20	S11 and twilight	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 12:06
S13	6	("0008070"   "4253169"   "4479722"   "4502789"   "4579460").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 12:08
S14	11	("4669891").URPN.	USPAT	OR	ON	2005/12/06 12:10
S15	5	("d351355" "d357871" "d362644" "d392578" "d392580").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 12:12

## EAST Search History

S16	6	("4435640"   "4551027"   "4759002"   "5023849"   "5253225"   "5631878").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 14:54
S17	68	S4 not S3	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 13:57
S18	265	S5 not (S4 or S3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 13:56
S19	0	("6031791").URPN.	USPAT	OR	ON	2005/12/06 13:11
S20	15	("2567497"   "2994970"   "3608214"   "3763648"   "3967389"   "4124945"   "4206592"   "4223801"   "D146757"   "D149106").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 13:11
S21	4	("D149106").URPN.	USPAT	OR	ON	2005/12/06 13:11
S22	172	368/242.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:38
S23	206	368/239.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:38
S24	156	S22 not S23	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 14:18
S25	265	368/228.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:38
S26	153	S22 not (S23 or S25)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 14:37
S27	452	368/223.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:39
S28	357	S27 not (S22 or S23 or S25)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 14:37
S29	30091	"368"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 17:45
S30	48	S29 and (sunrise or sunset) and (latitude or longitude)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 15:16

## EAST Search History

S31	24	("0309306"   "0536504"   "0723489"   "2051611"   "2130873"   "2266183"   "2287679"   "2852908"   "3439492"   "3525209"   "3668858"   "3890777"   "4605311"   "4669891").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 15:11
S32	26	("4759002").URPN.	USPAT	OR	ON	2005/12/06 15:12
S33	61	S29 and (sunrise with sunset)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:14
S34	33	S29 and (pie adj shaped)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 15:46
S35	87	708/111.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 15:43
S36	63	708/112.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 15:43
S37	89	S35 or S36 and (sunrise or sunset)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 15:43
S38	2	(S35 or S36) and (sunrise or sunset)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 15:44
S39	42	(sunrise with sunset) same (twilight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 15:44
S40	66	(sunrise or sunset) same (twilight)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 15:44
S41	59	S40 not S29	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 15:44
S42	114	(S29 and (pie)) not S34	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 17:45
S43	4	("2299913").URPN.	USPAT	OR	ON	2005/12/06 16:01

## EAST Search History

S44	26	("1927235"   "2024066"   "2063491"   "2277804"   "2299913"   "3002337"   "3956879"   "4103484"   "4161098"   "4669891"   "4681460"   "4884254"   "4887251"   "4972392"   "5007033"   "5054008"   "5408445"   "5448532"   "5555226"   "5907523").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 16:01
S45	0	("6249486").URPN.	USPAT	OR	ON	2005/12/06 16:03
S46	0	("6219307").URPN.	USPAT	OR	ON	2005/12/06 16:03
S47	8	("1145020"   "1153492"   "3290799"   "3971915"   "4435640").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 16:14
S48	3	("4551027").URPN.	USPAT	OR	ON	2005/12/06 16:21
S49	23	wang.in. and @pd="20010814"	USPAT	OR	ON	2005/12/06 16:22
S50	14	("3427800"   "3798892"   "4028876"   "4312055"   "4702615"   "4759002"   "4885731"   "5199009"   "5228013"   "5422864"   "5526327"   "5638341"   "5694376").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 16:25
S51	1	("6198698").URPN.	USPAT	OR	ON	2005/12/06 17:33
S52	24	("1356929"   "3757511"   "4028876"   "4525077"   "4540242"   "4702615"   "4752919"   "4885731"   "4920524"   "5008870"   "5199009"   "5228013"   "5253228"   "5526327"   "5694376"   "5818798"   "5896348"   "5995456"   "6198698"   "6354841"   "6504590"   "6556513"   "D419600").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 17:34
S53	1	lopez-ramon.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 17:35
S54	5	lopez-ramon-\$ .in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:44
S55	3	("3514938"   "3798892").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 17:37
S56	18	("5228013").URPN.	USPAT	OR	ON	2005/12/06 17:43

## EAST Search History

S57	147	(S29 and (pie))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 17:56
S58	146	"368"/\$.ccls. and (night same (dark or darkness))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 17:58
S59	8	("0557173"   "1513317"   "3115002"   "4032754"   "5220539").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 17:54
S60	7	("5631878").URPN.	USPAT	OR	ON	2005/12/06 17:55
S61	3	timespace.as.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 17:56
S62	0	("6683821").URPN.	USPAT	OR	ON	2005/12/06 18:02
S63	12	("2011517"   "2785530"   "3595009"   "3777475"   "4849949"   "4939708"   "5088440"   "5349572"   "5586089"   "5662479").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:02
S64	4	("5088440").URPN.	USPAT	OR	ON	2005/12/06 18:04
S65	2	("2177234").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:05
S66	3	("6359839").URPN.	USPAT	OR	ON	2005/12/06 18:07
S67	2	("3982104"   "5283769").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:07
S68	42	368/15.ccls.	EPO; JPO; DERWENT	OR	ON	2005/12/06 18:38
S69	2	368/17.ccls.	EPO; JPO; DERWENT	OR	ON	2005/12/06 18:39
S70	126	368/228.ccls.	EPO; JPO; DERWENT	OR	ON	2005/12/06 18:39
S71	140	368/239.ccls.	EPO; JPO; DERWENT	OR	ON	2005/12/06 18:39
S72	183	368/242.ccls.	EPO; JPO; DERWENT	OR	ON	2005/12/06 18:39
S73	139	368/82.ccls.	EPO; JPO; DERWENT	OR	ON	2005/12/06 18:39
S74	112	368/84.ccls.	EPO; JPO; DERWENT	OR	ON	2005/12/06 18:39
S75	194	368/223.ccls.	EPO; JPO; DERWENT	OR	ON	2005/12/06 18:39

## EAST Search History

S76	0	(S68 and S69 and S70 and S71 and S72 and S73 and S74 and S75) and twilight	EPO; JPO; DERWENT	OR	ON	2005/12/06 18:40
S77	0	(S68 and S69 and S70 and S71 and S72 and S73 and S74 and S75) and (sunrise or sunset)	EPO; JPO; DERWENT	OR	ON	2006/06/13 15:50
S78	7	rosevear-john-\$ .in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:48
S79	0	skyclock	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/06 18:48
S80	57	(location or position) with (area adj code) with latitude with longitude	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 16:23
S81	52	(US-20040225966-\$ or US-20040260604-\$ or US-20050094492-\$).did. or (US-3608214-\$ or US-4124945-\$ or US-4274151-\$ or US-4464058-\$ or US-4541726-\$ or US-4551027-\$ or US-4669891-\$ or US-4759002-\$ or US-4893291-\$ or US-5044961-\$ or US-5088440-\$ or US-5146436-\$ or US-5208790-\$ or US-5490122-\$ or US-5572489-\$ or US-5631878-\$ or US-5694376-\$ or US-5708628-\$ or US-5845257-\$ or US-5898645-\$ or US-5907523-\$ or US-5917778-\$ or US-5982710-\$ or US-6031791-\$ or US-6144619-\$ or US-6198698-\$).did. or (US-6219307-\$ or US-6233204-\$ or US-6249486-\$ or US-6275449-\$ or US-6310547-\$ or US-6359839-\$ or US-6359840-\$ or US-6449219-\$ or US-6809992-\$ or US-6901032-\$ or US-6947351-\$ or US-D149106-\$ or US-D351355-\$ or US-D357871-\$ or US-D362644-\$ or US-D392578-\$ or US-D392580-\$).did. or (US-0536504-\$ or US-0557173-\$ or US-1832342-\$ or US-2227995-\$ or US-2299913-\$ or US-3012716-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/09 11:01
S82	10	S81 and (gps or global)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/09 11:06